



**US Department of Agriculture
Dairy Industry Advisory Committee**

Subcommittee A
Final Report

7 October 2010

**The Availability and Use of Existing Laws and Programs to Improve
Dairy Sector Economics**

Dairy Industry Advisory Committee

U.S. Department of Agriculture

October 2010

Forward

The United States Department of Agriculture (USDA) established the Dairy Industry Advisory Committee in August 2009, under the rules of the Federal Advisory Committee Act (FACA). Agriculture Secretary Tom Vilsack announced the appointment of 17 members to serve on the Dairy Industry Advisory Committee on 6 January 2010.

As stated in its Charter, the purpose of the Committee is to review the issues of: 1) farm milk price volatility and 2) dairy farmer profitability. The Committee will also provide suggestions and ideas to the Secretary on how USDA can best address these issues to meet the dairy industry's needs.

This Committee is in the public's interest in view of the dairy industry's importance to the nation's economy. The exchange of views and information between industry representatives and USDA should result in improved



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 understanding of the impact of USDA programs on the dairy industry and
2 contribute to those programs' effective and efficient administration.

3 The members of the Committee are as follows. All members except Dr.
4 Novakovic are considered under FACA to be serving as Representatives
5 Members are appointed to obtain the points of view of or perspectives of
6 outside interest groups or stakeholders for whom they represent. Dr.
7 Novakovic serves as a Special Government Employee under appointment by
8 Secretary Vilsack. An SGE is appointed to provide unbiased and independent
9 advice. SGEs assume the responsibilities, obligations, and restrictions that
10 are part of public service.
11



**US Department of Agriculture
Dairy Industry Advisory Committee**

Subcommittee A
Final Report

Members	Affiliation	Committee Assignment
Paul Bourbeau	Paboco Farms, Inc., Vermont	Member
Jay Bryant	Maryland and Virginia Milk Producers Cooperative Association, Virginia	Subcommittee Chair - Volatility
Erick Coolidge	Le-MA-Ra Farm, Pennsylvania	Vice Chair Subcommittee Chair - Profitability
Timothy Den Dulk	Den Dulk Dairy Farm, LLC, Michigan	Member
Debora Erb	Springvale Farms & Landaff Creamery, LLC, New Hampshire	Member
James Goodman	Northwood Farm, Wisconsin	Member
James Krahn	Oregon Dairy Farmers Association, Oregon	Subcommittee Chair – Current Programs
Edward Maltby	Northeast Organic Dairy Producers Alliance, Massachusetts	Scribe
Rodney Nilsestuen (Dec. July 2010) replaced by Randy Romanski	Department of Agriculture, Trade and Consumer Protection, Wisconsin	Member
Andrew Novakovic	Cornell University, New York	Chair Chief Scribe
Robert Schupper	Giant Food Stores, Pennsylvania	Member
Manuel (Ray) Souza	Mel-Delin Dairy, California	Member
Patricia Stroup	Nestle USA, California	Scribe
Sue Taylor	Leprino Foods Company, Inc., Colorado	Scribe
Edward Welch	Associated Milk Producers Inc., Minnesota	Member
James (Ricky) Williams	Williams Dairy & Williams Dairy Trucking, Inc., Georgia	Member
Robert Wills	Cedar Grove Cheese Inc., Wisconsin	Member



**US Department of Agriculture
Dairy Industry Advisory Committee**

Subcommittee A
Final Report

1
2

DRAFT



Executive Summary

In 2009 the dairy farmers suffered the joint effects of a cyclical downturn and the Great Recession, which affected them and other segments of the dairy sector. Congress has the authority to pass new legislation, but the ability of the federal government to respond to such events is limited to what is authorized under existing legislation. Some laws provide no leeway to the Secretary of Agriculture, others allow some or even considerable discretion. When a Secretary's proposed action has or is likely to have an impact on government expenditures, even "discretionary" programs cannot be used without approval of the President's Office of Management and Budget.

This report identifies existing laws that are under the purview of the Department of Agriculture and which could be used to the benefit of the dairy sector without new legislation. There are several programs that are explicitly designed for the dairy industry. There are quite a few that are more generic but which could be used to benefit dairy. In the latter, we have striven to be broad and comprehensive.

In the previous two years, the Secretary of Agriculture has invoked and leveraged a number of programs to assist dairy farmers through the market crisis. These include the following.

[insert excerpts from the USDA report of actions]

Barring legislative changes, the only two programs that permit the Secretary some flexibility in their application are the Dairy Product Price Support Program and one or more food assistance programs. If the



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Secretary can identify sources of money, it would be possible for him to
2 stimulate demand and thereby lift prices via either of these approaches.

3 The Secretary should use extreme care by applying both of these
4 approaches judiciously and rarely and with sensitivity to the potential for
5 commercial displacement of existing dairy product markets.

6 We suggest that USDA use the methodology of Milk Income over Feed
7 Cost measure proposed by NMPF in its Foundation for the Future proposal as
8 a trigger for implementation of both food assistance programs using dairy
9 and any DPPSP increase. Within this framework, the first trigger will indicate
10 a demand program be used. At the second trigger, the DPPSP should be
11 invoked.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1	Table of Contents	
2	Forward	1
3	Executive Summary	5
4	Table of Contents	7
5	Introduction	9
6	The Dairy Problem	10
7	Milk Price Volatility	10
8	Costs of Production	13
9	Trade Shocks.....	19
10	Current Legislative and Regulatory Authorities	20
11	The Dairy Product Price Support Program.....	22
12	Milk Income Loss Contract	26
13	Federal Milk Marketing Orders	29
14	Dairy Export Incentive Program	35
15	Risk Management Programs	Error! Bookmark not defined.
16	CCC Charter Act, Section 5.....	43
17	Various Domestic Food Assistance Programs	46
18	Section 32, Public Law 74-320	48
19	International Food Assistance Programs.....	51
20	Farm Loan Programs	55
21	Market News, Research, and Promotion Programs	60
22	The Office of Management and Budget	60



1	In Conclusion	62
2	Future Considerations for the Use of Existing Programs.....	63
3	Comments on Possible Unintended Consequences	66
4	A Caveat About Future Conditions and the “Black Swan”	67
5		

DRAFT



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Introduction

2 With the ink barely dry on the 2008 Farm Bill, the US economy plunged
3 into what has been arguably the worst recession since the Great Depression
4 of the 1930s. The impact on the dairy industry was a combination of
5 recession-driven demand effects and more sector-specific supply effects.
6 Dairy exports, which had been a primary cause of a prosperous lift in 2007
7 and 2008, collapsed as global demand withered. Domestic demand,
8 especially in foodservice, declined as consumers trimmed household
9 budgets. On the supply side, the costs of the single largest input into milk
10 production – feed – hit record highs. This in turn created the worst
11 price:cost squeeze since the early 1970s. While the industry was poised for
12 a cyclical downturn in any event, the global economic downturn, in
13 combination with record grain prices, pushed most dairy farm businesses
14 into the red and eliminated years of growth in dairy farm balance sheets.

15 Although the Dairy Product Price Support Program eventually kicked in
16 at the bottom of the price trough in early 2009, the level of support
17 provided was far less than required to ensure breakeven cash returns for
18 dairy farm businesses. The Milk Income Loss Contract (MILC) program
19 provided cash supplements to many farmers, but the marketings-based limit
20 on payments meant that any farm larger than 110-150 cows, a little more
21 than the national average, received a supplement on only a portion of their
22 milk. This limitation applied to about 15 percent of the farms, which
23 produce 75 percent of the nation's milk. For the 2.5 percent of the largest
24 farms, which produce 47 percent of U.S. milk, the amount received was a
25 tiny percentage of their total gross income. The negative economic effects



during 2009 were no less for large farms, and arguably worse to the extent that they rely more heavily on purchased feeds.

Although the current net income situation for dairy farmers is much improved in 2010, the milk production sector has not restored its balance sheet and feels very vulnerable in the current uncertain economic environment.

The purpose of this report is to catalog the various laws and programs that presently exist to the economic benefit of dairy farmers and to discuss their potential application and limitations in the recent and current market environment.

The Dairy Challenge

Milk Price Volatility

Prior to the establishment of permanent authority for the Dairy Price Support Program under the Agricultural Act of 1949, farm milk prices exhibited a high degree of instability, but these fluctuations were primarily seasonal and generally predictable. From 1950 to 1989, milk price instability was considerably dampened compared to the first half of the twentieth century, in the range of half.¹ During the 1970s, the primary price

¹ The Coefficient of Variation – which measures dispersion or range adjusted by mean or average values, was 0.33 from 1942 to 1989 but only half that amount, 0.16, from 1990 to 2010. Volatility (as measured by the statistic historic volatility) was twice as large in the recent period – 16.3% versus 7.9%. In other words, adjusting for inflation, the general range in which prices move is actually less now than in the years of an active price support program but the volatility of market prices is considerably larger.



1 mover was inflation, which affected the entire U.S. economy. From 1981 to
2 1990, dairy economics was largely defined by huge surpluses engendered by
3 an overly aggressive price support policy in the late 1970s, followed by a
4 variety of policy interventions aimed at minimizing the need of reductions in
5 the price of milk. In response to these supply surpluses, the support price
6 for milk was reduced from over \$13.00 per hundredweight (cwt) to around
7 \$10.00 per cwt., where it has remained. This level of support has proved to
8 be sufficiently low so as to seldom interfere with the market-determined
9 price for milk.

10 Since 1990, the farm milk price has become highly variable and
11 unpredictable. This combination of instability and uncertainty may be
12 described as price volatility.² The causes of this increased volatility are

² To describe different aspects of pricing concerns, Andrew Novakovic of Cornell University differentiates three fundamental characteristics of a price series – 1) certainty/uncertainty, 2) stability/instability, and 3) adequacy/inadequacy.

Certainty might be defined as existing when a price can be predicted within a narrow range over an intermediate term. Dr. Novakovic does not propose a specific measure, but an example of certainty might be a monthly price that can be predicted within 5% over a one year period.

A currently stable price is not necessarily predictable in the future, and unstable prices are not necessarily unpredictable. A familiar dairy example would be the highly predictable seasonal patterns in milk prices common in the 20th Century.

Instability implies a frequency of change more than an amount of change (amplitude), thus, standard deviation or similar measures of dispersion are not reliable measures of standard deviation. Log relative volatility or historic volatility, statistics used primarily in the finance literature, are better measures of instability.



1 debatable. The reduction of the federal support price for milk seems to have
2 revealed an underlying volatility or susceptibility to volatility. Dairy analysts
3 have long described dairy markets as having highly inelastic supply of and
4 demand for farm level milk, and demands for dairy products down the value
5 chain. While the degree of elasticity is sometimes debated, most industry
6 members would agree that the short term elasticities are indeed small. As
7 such, small relative changes in quantities are associated with large relative
8 changes in price. This would certainly be consistent with the post 1990
9 experience.

10 During the inflationary period that began in about 1972, unusually large
11 annual increases in price were generally associated with modest levels of
12 domestic surplus. However, these modest surpluses burgeoned into
13 oppressively large surpluses by the early 1980s. During that decade, prices
14 drifted downward as the federal government made repeated and bold efforts

Adequacy refers to the degree to which a price is associated with positive financial outcomes for a business whose output receives that price. A number of measures might plausibly appeal to a business owner's concept of adequacy. Certainly profitability would be a desirable long term measure. However, other measures might also be applied, including return on assets, return on equity, return on investment, net returns over cash cost or cash flow from operations, cash flow coverage, and so on. A number of policy advocates have endorsed net returns from the sale of milk in excess of the cost of feed as a convenient and meaningful measure of adequacy.

The term volatility has been much used in the recent economic context and seems intended to convey something more or different from instability. Dr. Novakovic's proposed nomenclature uses the term volatility to describe a price that is characterized by both instability and uncertainty and is inadequate at its lower points.



1 to avoid or reduce price cuts through a variety of supply controlling and
2 demand enhancing actions. Ultimately, a 25 percent cut in the support price
3 occurred before markets settled into equilibrium.

4 The first few years following the decline of the Dairy Price Support
5 Program witnessed the kind of turbulence that has now become familiar, but
6 these were interspersed with a few calmer years as well. The next
7 significant policy event that seems have changed dairy markets was the
8 conclusion of the Uruguay Round negotiations under the General Agreement
9 on Tariffs and Trade, now know by the acronym WTO, for the new
10 secretariat created after the Uruguay Round – the World Trade Organization.
11 In the U.S., the Uruguay Round Agreements Act was passed in 1994. Under
12 the Agreement on Agriculture (AoA), the United States agreed to increase
13 the access to its dairy markets by foreign competitors (from about 2.5
14 percent to five percent) and replaced its strict import quota system with a
15 tariff-based system that generally provided a high degree of protection from
16 most dairy commodities and greater access to value added products (such
17 as European-style cheeses).

18 Costs of Production

19 In addition to the large swings in the price of milk, dairy farmers have
20 recently experienced significant changes in underlying costs of production,
21 driven by dramatic changes in the prices of certain key inputs. The single
22 largest component (40-50%) of any dairy farmer's cost of production is the
23 cost of feed, whether it is in the form of purchased grains and other feed
24 inputs or as the costs of producing homegrown feeds. Thus, dairy farmers



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 are especially sensitive to the prices of purchased feeds or the prices of
2 inputs used in homegrown feed production. Key feedstuffs are corn,
3 soybeans and alfalfa hay. Key production inputs are fuel, fertilizer and seed.

4 From Fall 2006 through Summer 2008, the price that growers received
5 for a bushel of corn increased from about \$2.00 to about \$5.50. While this
6 is welcome news for corn growers, it represented an enormous cost increase
7 for dairy and other livestock farmers. The increase in soybean prices was
8 equally dramatic. Although it would be a bit too simplistic to attribute all of
9 this effect to the burgeoning demand for ethanol made from corn, it is likely
10 that bio-fuels created a large and new demand for corn and, because of
11 acreage competition, soybeans and other feedstuffs. Petroleum prices
12 began increasing out of their previous historic range in 2002. The stimulus
13 of high petroleum prices, increasing uncertainty about the reliability of
14 Middle Eastern sources of petroleum, and successful efforts to create various
15 federal incentives for corn-based ethanol contributed to pushing corn prices
16 to dramatic heights in 2007 and 2008.

17 Milk prices had hit a cyclical low in 2006. An expected cyclical rebound,
18 exaggerated by the added impact of high feed costs that decreased milk
19 supply, moved the price of milk from a low of \$11.70 per cwt in July 2006
20 to a high of \$21.90 in November 2007 – the all time record high for the
21 nominal price of milk. In the early months of 2007, the rise in the price of
22 milk did not keep pace with increases in feed costs. Farmers experienced
23 the curious but not unprecedented phenomenon of relatively high milk prices
24 but poor net returns. By the peak of the market, farm returns were more



US Department of Agriculture
Dairy Industry Advisory Committee

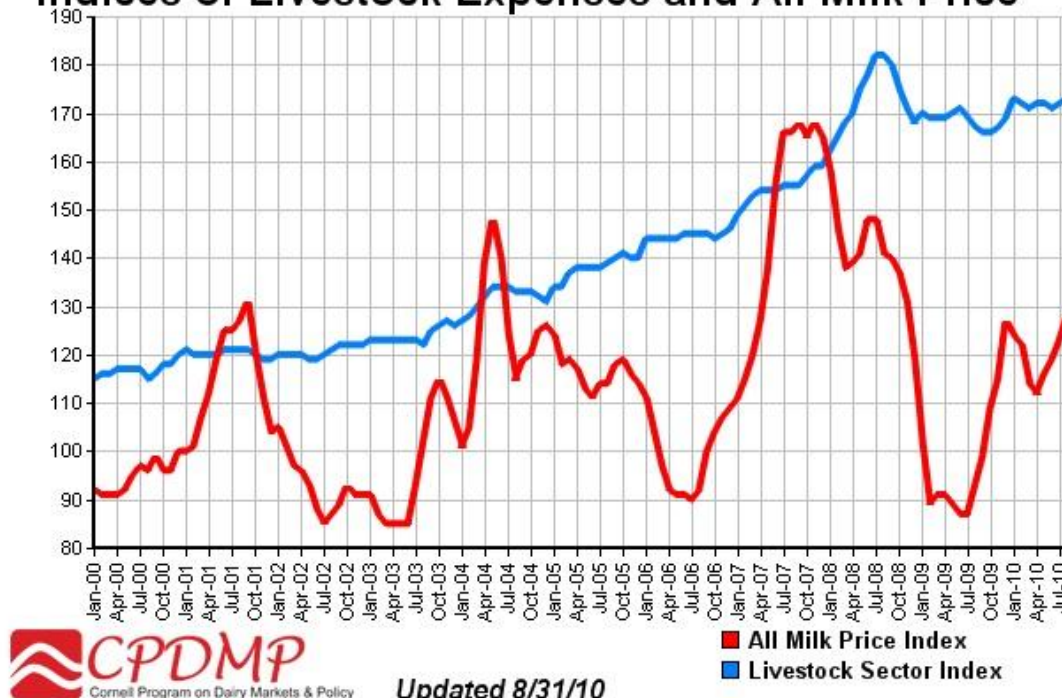
Subcommittee A
Final Report

1 than enough to compensate for high feed prices and net returns were
2 generous.

3 By the end of 2008 and through 2009, the equation had again turned
4 against dairy farmers. Although corn prices and other input prices had
5 softened considerably from their previous highs, largely due to record crop
6 production, milk prices had fallen even more. The hard lesson of 2009 was
7 not so much the low price of milk, which after all was no lower than the
8 bottoms of the last two three-year cycles, but the unprecedented low to
9 negative margins. In many months, there was little if any left over from the
10 milk check to pay for more than the cost of feed. This is illustrated in Figure
11 2. This figure compares indices of the US price of all milk with USDA's index
12 of production inputs purchased by a weighted average of livestock
13 production. Dairy is only one part of this livestock index, but it is a sufficient
14 measure to illustrate the dramatically poor relationship between feed
15 weighted input prices and the price of milk. This chart illustrates vividly that
16 the dramatic outcome of 2009 was not how low the price of milk became,
17 per se, but rather the narrowness between the price of milk and the costs of
18 inputs, especially feed inputs.



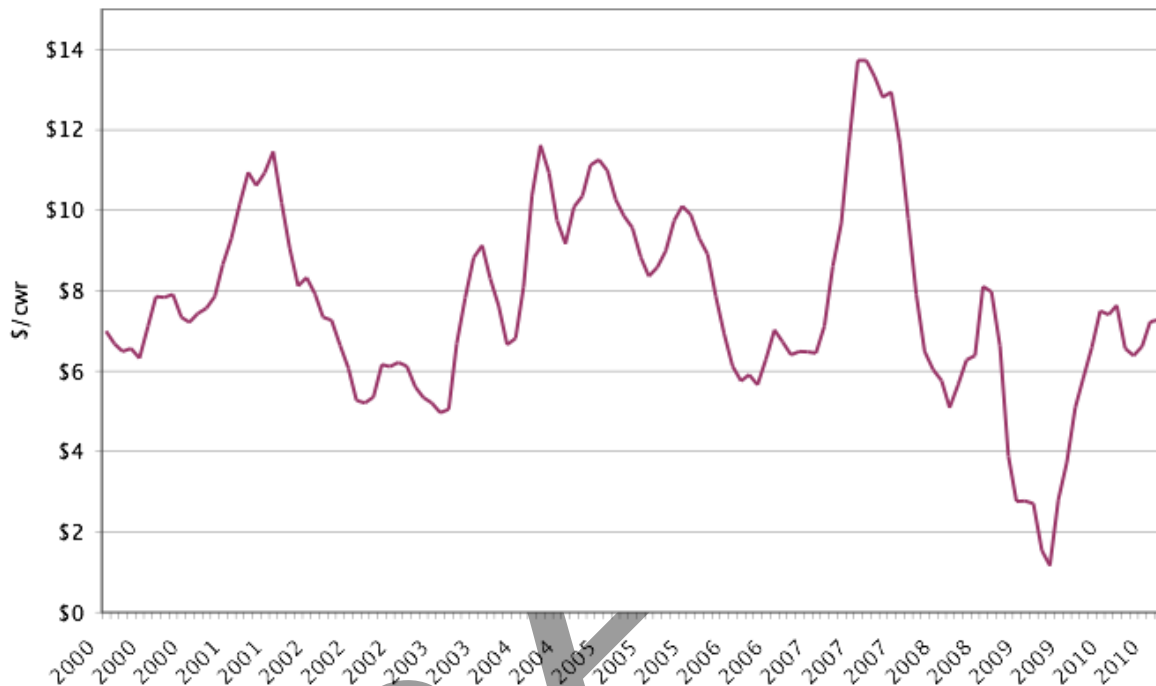
Indices of Livestock Expenses and All Milk Price



The previous chart shows prices. In the next chart, these prices are translated to returns to milk above feed costs, using the methodology developed by the National Milk Producers Federation, as described in their proposal called Foundation for the Future. Although milk prices (in the above chart are equally low in 2003-04, 2006, and 2009, in this next chart it is vividly clear that the net returns to milk above the feed index costs of the major feeds is dramatically lower in 2009.



Milk Margin Over All Herd Feed Costs



1 Dairy farmers are rational managers of their business. When prices of
2 inputs change significantly, they make adjustments to their input usage. Of
3 course, those adjustments have implications for current and/or future
4 production, and they must balance those effects. Although the term “cost”
5 is often used as a synonym for the price paid for an input, as in “the cost of
6 corn”, there is an important distinction between costs and prices, a
7 distinction that is important in both economics and accounting. Prices, of
8 course, are what a buyer pays to purchase one unit of a good. It is
9 denominated in dollars per unit of input purchased, such as dollars per
10 bushel of corn (\$/bu). Total costs are measured in total dollars and measure
11 the amount of money spent to acquire a volume of an input, like corn.



1 Average cost can be expressed relative to the amount of milk produced.
2 Thus, the average cost of corn for a farmer in, say, 2009, can be expressed
3 in dollars per hundred pounds of milk sold (\$/cwt). Average cost (or more
4 simply "cost", to which it is often shortened) is not the same as price. The
5 key difference is that average cost is affected by how much input is
6 purchased (which determines total cost along with the price of the input)
7 and how much product is sold (which determines the average). A margin
8 also reflects the quantity sides of revenue and expenses, as well as the input
9 and output prices. When an average cost line looks similar to a price line,
10 this is an indication that quantities of inputs and outputs don't change much
11 relative to price changes. This is often the case in agricultural production. If
12 one compares the last two charts carefully, it is clear that the low point in
13 Milk Margin over Feed Costs (\$/cwt) during 2009 is far lower (about one-
14 third) compared to the previous troughs in 2006 and 2003. Although
15 farmers adjusted their purchases of inputs in response to the price:cost
16 squeeze, there is only so much one can do before the implication for
17 production or the health of the cow does not justify further reductions in the
18 use of an expensive input. Moreover, although there are a variety of
19 feedstuffs available to farmers, there are only so many feed inputs one can
20 use in a balanced ration. Moreover, the prices of all feeds tend to move in
21 the same direction.

22 Price and margin are certainly correlated, but they are not the same
23 thing. One might say that "prices" are a cause and "costs" or "margins" are
24 an effect – financial outcomes that are impacted or changed by prices. The
25 critical importance of this simple fact of economics and accounting was made



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 vividly clear in 2009 and continues to be in evidence and of concern in 2010.
2 As will be further discussed elsewhere, it is valuable to note that most dairy
3 and other agricultural support programs are based on or triggered by an
4 output price. The usefulness of that simple approach, which seemed to work
5 satisfactorily in the past, has been seriously challenged by the events of the
6 last two years.

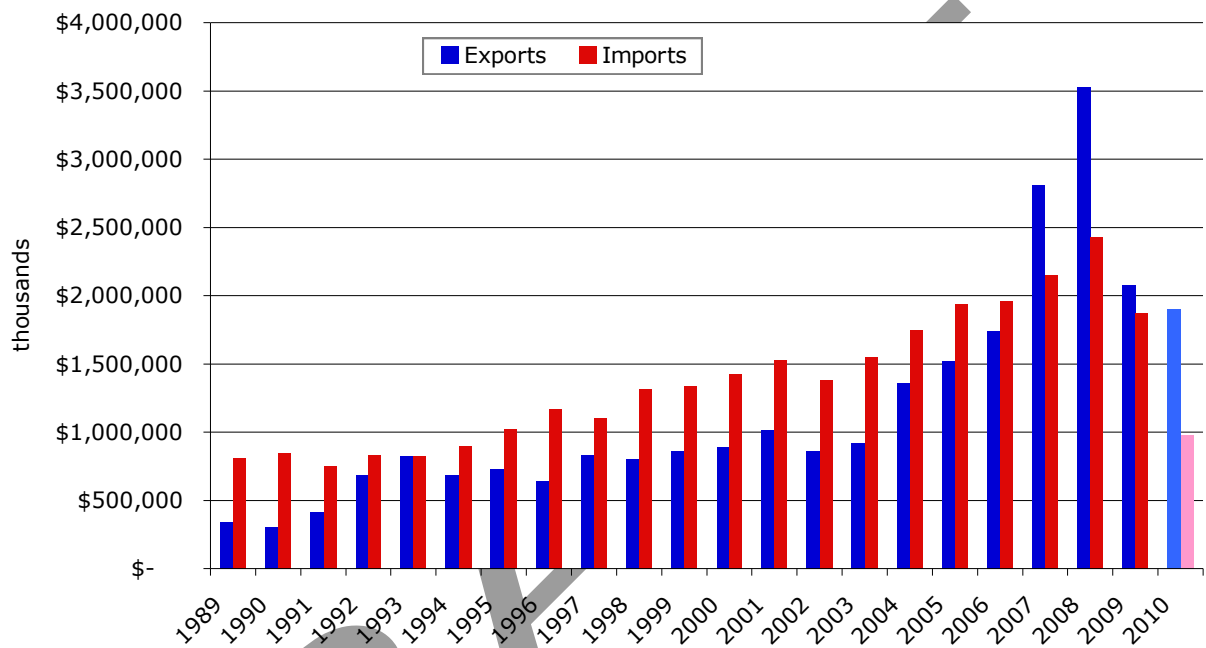
7 Trade Shocks

8 As mentioned above, the US dairy sector became considerably more
9 exposed to trade following the Uruguay Round agreement. This resulted in
10 both greater opportunities for exporting, as well as greater openness to
11 imports. In the years that have followed the URAA, the US dairy sector has
12 generally become a slight net importer of dairy products; however, it has
13 demonstrated a capacity to increase exports considerably when conditions
14 are right. Such was precisely the case in 2007 and 2008, as illustrated in
15 the next chart.³

³ Dairy trade can be measured in several ways. For individual products, quantity measures are fairly straightforward. For aggregations of products, the typically approach is to translate product pounds into a milk equivalent. While this seems easy enough in principle, in practice it becomes challenging because traded products have very different compositions of milkfat and nonfat solids. An alternative is to measure trade in dollar value. This has a certain appeal and finesses the problem of milk equivalents, but it introduces other consequences. Because the US tends to be an importer of high margin products and an exporter of low margin products, dollar measures tend to give greater weight to imports than quantity measures.



Total Dollar Value of US Dairy Imports and Exports,
1989 to July 2010



Current Legislative and Regulatory Authorities

What is generally referred to as dairy policy or dairy programs are legal authorizations or mandates specified by Congress and implemented as regulations by the US Department of Agriculture or another executive agency of the federal government. Some of these programs exist under permanent law, in which the provisions have no sunset until Congress explicitly changes them. Others are of a more temporary nature. They may exist for many years, but periodically Congress needs to reaffirm them.

In addition, Congress has a good deal of latitude in how strongly it directs an action of the Executive Branch. In many cases, a law authorizes



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 USDA or another agency to do something, but it does not require or even
2 enable that action. For example, under the old parity-based Dairy Price
3 Support Program, the Secretary of Agriculture could announce a support
4 price for milk that was no less than 75% of the parity price but no more than
5 90%. Thus, he was authorized or allowed to choose within a broad range.
6 Sometimes, the Secretary is allowed to decide whether to do something at
7 all. For example, the Secretary is not required to implement a Federal Milk
8 Marketing Order either by the instruction of Congress or at the request of
9 farmers. The Secretary has the authority to deny a request for a new Order
10 (although such a decision could be challenged by a court action). Lastly, the
11 Secretary may be authorized to do something, and it may in fact be
12 something that Congress or the Secretary would really like to do, but
13 Congress or the Executive did not provide for funding. An example of this
14 would be the authorization in the 2008 Farm Bill that USDA initiate electronic
15 reports of market dairy prices based on prices that firms would be required
16 to disclose to USDA. Congress did not provide specific funding for this costly
17 project and USDA determined it lacked the flexibility to reassign existing
18 general funding to support this new activity.

19 In this section, we describe current programs which could be used to
20 have direct effects on milk prices, dairy product sales, farm incomes, or
21 some other direct aspect of dairy markets. Needless to say, there are a
22 huge number of federal programs that affect dairy markets, including tax
23 policy, public borrowing, transportation, fuel taxes, environmental
24 regulations and other such items that have implications for the dairy sector
25 but which are not dairy programs per se. The focus here will be on



- 1 programs that target dairy programs or which could impact dairy markets
- 2 without requiring a focus on dairy from a program whose purpose is much
- 3 broader.

4 The Dairy Product Price Support Program

Summary of Dairy Product Price Support Program (DPPSP)

Objectives:

- Price Support - prevent farm price of milk from falling below a minimum target level
 - Farm price stability
 - Farm income enhancement
- Market security
- Prevent wholesale price of selected dairy commodities from falling below a minimum target level
 - Price stability for selected dairy commodities
- Maximal effect on protecting against price decreases, minimal effect on inhibiting price increases
- Minimize impact on commercial sales when disposing of government stocks

Methods:

- Under Dairy Price Support Program (DPSP) -
 - Law establishes a price support goal (minimum) for milk used to make manufactured dairy products. USDA estimates purchase prices for selected dairy commodities in bulk form that are consistent with that goal.
- Under the Dairy Product Price Support Program (DPPSP) -
 - Law establishes purchase prices
- Under both DPSP and DPPSP -
 - USDA/CCC offers to purchase butter, cheese, and nonfat dry milk, according to established specifications, at the announced purchase prices.
 - If this price is appealing to manufacturers of those commodities, compared to prevailing or expected market prices, the manufacturer initiates a "response" to USDA's "invitation."
 - CCC takes ownership of the product and is expected to dispose of the product in a manner that recognizes its value as a food product but which does not undermine the commercial market for similar products. This may include domestic and international food assistance, use in government programs and facilities, use in animal feeds, and the like.
 - If a product is offered for sale in commercial channels, it is at a price no lower than the established Sellback Price. Before 2008, the Sellback Prices were set by the Secretary and varied from 105% to 110% of the corresponding Purchase Price. Under FCEA 2008, the Sellback Prices are legislatively established at 110%



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Summary of Dairy Product Price Support Program (DPPSP)

Legal Authority:
Agricultural Act of 1949 (as amended)

Administering Agency:
U.S. Department of Agriculture - Farm Services Agency
Farm Programs - Price Support Division
Commodity Operations - Commodity Credit Corporation

1 Following the World War II, at a time when price inflation was high but
2 agricultural cost inflation exceeded output price inflation, Congress passed
3 the Agricultural Act of 1949. This Act created permanent authority for a
4 Dairy Price Support Program, under which Congress specified goals for the
5 minimum support of the price of milk received by farmers and USDA
6 implemented that goal by offering to buy selected bulk dairy commodities at
7 wholesale prices that were consistent with the farm price goal. This Act
8 provided permanent authority for the Secretary to support prices in a
9 manner similar to that used during the War. This was a mandatory
10 program. As such, Congress obliged itself to design a program that lived
11 within their self-imposed budgetary rules, but, once passed, the Secretary
12 was required to implement it without regard to cost.

13 In 1981, Congress suspended the authority of the Secretary to establish
14 a support price for milk within the 75-90 percent parity range and instead
15 set a specific, discrete support price for milk over which the Secretary had
16 no latitude to change. This suspension was not permanent, but it was
17 renewed in each successive Farm Bill until 2008, when the language of the
18 legislation was changed away from specifying a support price for milk to
19 establishing purchase prices for bulk, commodity cheddar cheese, butter and



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 nonfat dry milk. This altered program was labeled the Dairy Product Price
2 Support Program or DPPSP (as opposed to previous DPSP). In practice, this
3 was a subtle change, as USDA achieved the support price for milk by
4 establishing purchase prices for these same products. Under both versions,
5 USDA offers to buy these dairy commodities at the announced prices under
6 the belief that if market prices drop to or below these levels, manufacturers
7 will begin offering eligible commodities to the USDA, instead of private
8 buyers. USDA is obliged to buy any and all quantities of eligible products so
9 offered. Insofar as manufacturers take advantage of this guaranteed price
10 outlet, market prices should not fall below this government offer price, or at
11 least not by very much.

12 The levels of the various supported prices before and after the passage
13 of the 2008 Farm Bill are listed in the following table.

Price	Before FCEA 08	After FCEA 08
Support Price for Milk Used in Manufacturing, average fat test	\$9.90	not specified
Purchase Price for Cheddar Cheese, blocks	\$1.1314	\$1.13
Purchase Price for Cheddar Cheese, barrels	\$1.1014	\$1.10
Purchase Price for Butter	\$1.05	\$1.05
Purchase Price for Nonfat Dry Milk	\$0.80	\$0.80



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Although Congress specified a fixed support price for milk from 1981 to
2 2008, when it passed the Food, Conservation, and Energy Act of 2008 it
3 changed specifications of commodity support prices from "shall be" to "shall
4 be no less than." In so doing, it created the authority for the Secretary of
5 Agriculture to announce higher purchase prices than those specified in the
6 Act. This is the first time since the early 1970s that the Secretary has had
7 discretion on the level of support for the price of milk.

8 It was under this new authority that Secretary Thomas Vilsack increased
9 the purchase prices for cheese and nonfat dry milk from August to October
10 2009. Compared to the purchase prices listed in the table above, the
11 Secretary increased the purchase price of cheeses by 18 cents per pound
12 (16%) and nonfat dry milk by 10 cents per pound (15%). This equated to
13 about a \$1.50 to \$1.80 increase in the implicit support to the farm price of
14 milk for those three months. This action resulted in few sales to the CCC,
15 as market prices increased over the same period.

16 In November, prices reverted to the levels specified in the FCEA 2008.
17 Many in the dairy producer community have asked why the Secretary did not
18 exercise that authority in early 2009 or even late 2008, when prices were
19 falling to their nadir, or why he did not extend assistance longer.

20 The answer to these questions lies in large part with the situation
21 described earlier in this report, where authority is differentiated from
22 budgetary ability. Although the FCEA 2008 does in deed provide authority to
23 the Secretary, this authority is ineffective if there are insufficient funds to
24 back up the implied obligation. When passing a bill, the Congressional



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Budget Office, using budgetary guidelines created by Congress itself, determines if Congress can afford to pass a bill that has budgetary implications. Once a bill is in place, if it involves some discretionary action or decisions by the Secretary, then the President's Office of Management and Budget has the authority to decide if the Executive Branch can afford it. Although the institutions are different, the process is very similar. Typically, the Secretary would be asked to come up with the money for a costly decision he would like to make. He is unlikely to be able to take money from one program to fund something in another program. For the same kind of reason, OMB is not likely to ask some other agency in the Executive to finance a program in Agriculture. The net result is that a decision to increase the support price to any level that is actually meaningful, i.e., USDA would actually incur an expense, is stopped before it can get started.

Milk Income Loss Contract

Summary of the Milk Income Loss Contract (MILC)

Objectives:

Income Support - augment dairy farmer income when milk prices are low

Methods:

Provide a countercyclical payment to qualified dairy farmers when the Class I price announced for the Boston city zone of the Northeast Federal Milk Marketing Order falls below a legislatively specified value.

In addition to setting the benchmark or target price, the law also specifies a percentage of the difference between the between the target price and the announced price. The payment rate is based on that percentage.

Total payments are limited to an amount of milk marketings (pounds of milk).

In each marketing year, qualified dairy farmers must elect the month in which they are first eligible to begin receiving a monthly MILC supplement. Payments are made in each consecutive month in which a payment is due until the limit on marketings is reached, regardless of the dollar amount of the payment.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Summary of the Milk Income Loss Contract (MILC)

Legal Authority:

Food, Conservation and Energy Act of 2008 (FCEA). Legislative origin traces to emergency market transition assistance authorized under the Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2000 (H.R.1906). The MILC was first formally authorized as such under the Farm Security Act of 2002 (FSA).

Administering Agency:

U.S. Department of Agriculture - Farm Services Agency
Farm Programs - Price Support Division

The Milk Income Loss Contract is a form of countercyclical income support that was devised with some elements drawing from the structure of the one-time Northeast Dairy Compact and the countercyclical price subsidies established for program crops (food and feed grains, etc) in the Farm Security Act of 2002.

The Northeast Dairy Compact was a Congressionally sanctioned agreement between the six New England states to coordinate a minimum price for Class I milk marketed in their jurisdiction. The Compact granted authority to set a minimum Class I price of \$16.94 per cwt. that all buyers of Class I milk were required to pay, either as a premium above the federally regulated Class I price or as a price established for any federally unregulated handler. Inasmuch as this price premium applied only to Class I milk, the total money collected in any given month was pooled and shared pro rata among all farmers in New England or delivering milk to a New England bottler. The minimum Class I price was announced relative to the the Boston city zone of what was then Federal Order 1, the New England Order.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 When Congressional approval for this multi-state Compact expired, the
2 calculation methodology was adapted to a countercyclical income subsidy
3 that would apply to all dairy farmers in the contiguous United States. The
4 Boston city zone price of \$16.94 was established as the price trigger. A
5 payment rate was determined as 40 percent of the difference between the
6 announced monthly price and the trigger, approximately the same
7 percentage as the U.S. Class I utilization. In addition, a payment limit was
8 established based on the pounds of milk marketed by a farm entity. The
9 quantitative limit represents a type of payment limitation that has two
10 objectives. It limits government exposure to budget costs. Furthermore, it
11 targets benefits towards smaller scale farmers, achieving a general policy
12 objective that has had broad support in Congress. In this framework, the
13 actual expenditures depend on the magnitude of the payment rate as well as
14 the marketings payment limit. An individual farm can achieve the maximum
15 payment limit with a very small subsidy or a very large subsidy depending
16 on the payment rate for any given month. Inasmuch as many farms market
17 more milk in a year than the annual payment limit, farmers are allowed to
18 choose the month within a marketing year in which they wish to be eligible
19 to receive a payment. Payment will begin in that month or the first month
20 thereafter in which a payment rate is announced and continue until the
21 marketing payment limit is reached. The marketing year begins in October,
22 and the payment limit resets to zero at that time.

23 In 2008, Congress also modified the trigger price to include an
24 automatic adjustment for changes in the prices farmers pay for certain feeds
25 used in a dairy ration. The national dairy ration cost is routinely calculated



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 by USDA's National Agricultural Statistics Service. The automatic
2 adjustment is triggered when the monthly ration costs exceeds \$7.35 per
3 cwt but the trigger price is increased by 45% of the relative difference
4 between the ration cost trigger and the estimated actual cost. For example,
5 if the dairy ration cost is estimated to be 10% above \$7.35, the milk
6 payment trigger rises 4.5% (or \$16.94 times 1.045 = \$17.70)

7 The program is administered by the Farm Service Agency of the U.S.
8 Department of Agriculture and is a mandatory program over which USDA
9 has no discretionary authority. USDA does promulgate rules to interpret and
10 enforce the program as authorized by Congress. These rules define
11 requirements for eligibility and compliance, and the like, but they do not
12 alter the fundamental parameters specified in legislation.

13 Federal Milk Marketing Orders



Summary of Federal Milk Marketing Orders (FMMO or FO)

Objectives:

Create market conditions that will encourage:

Orderly marketing activity; markets that function smoothly, predictably, and at a reasonable cost

Orderly pricing (predictable but not necessarily stable or adequate)

Adequate and wholesome supplies of fluid milk

Equitable returns to farmers, equitable prices for processors

Methods:

Regulate and supervise the terms of trade between farmers and processors, by setting minimum farm level prices and trading rules that determine who qualifies for what price, so as to create market (price) incentives that result in desired market behavior or performance

The fundamental and legislatively mandated tools are:

Classification of producer milk according to the product in which it is used

Pricing of milk according to class

Pooling the values paid by processors for each class of milk to return a common "pool" price to all producers, regardless of the actual destination of their milk

Auditing to ensure and enforce compliance by regulated handlers

Legal Authority:

Agricultural Marketing Agreement Act of 1937 (as amended)

Administering Agency:

U.S. Department of Agriculture - Agricultural Marketing Service - Dairy Programs

1
2 Federal Milk Marketing Orders are the oldest of dairy industry specific
3 programs. The concept of using classified pricing and pooling was originally
4 developed by milk marketing cooperatives operating in the New England
5 area during the late 1800s. The concept was predicated on the notion that
6 milk used for fluid or beverage purposes has a different economic value than
7 milk used for manufacturing, but that Grade A milk can be used in any of a
8 number of products. To ensure that all producers of Grade A milk received a



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 fair and equitable return, all year around, cooperatives developed this
2 method for establishing prices of milk based on its use (classified pricing)
3 and sharing the average value of milk in all uses to all Grade A farmers
4 (pooling). The latter was established in particular to eliminate destructive
5 competition among farmers who would otherwise have incentives to seek
6 the highest class price and thereby ensure that farm milk was transported in
7 a manner consistent with minimizing marketing costs.

8 This general concept was adopted under both federal and state laws
9 beginning in the 1930s, as elected officials sought methods to bring price
10 relief to dairy farmers during the Great Depression. Over time, most state
11 laws gave way to the federal law due to their inability to price milk in
12 interstate trade and for regulatory efficiency. However, there remain several
13 states that continue to have some form of milk price regulation. These state
14 orders typically use a form of classified pricing and pooling very similar to a
15 federal order, but they may also involve a simple price premium that is
16 applied to FMMO prices that pertain to regulated handlers in their state.
17 These states are California, New York, Pennsylvania, Virginia, Maine,
18 Montana, Nevada, North Dakota. In only CA, NV and ND are all state based
19 processors regulated by the State.

20 The concept of an Order is predicated on the assumption that the
21 marketing of milk is inherently regional and subject to a geographic
22 description and boundary. The marketing area is defined by the area in
23 which a group of fluid milk processors routinely compete for the sale of
24 packaged milk. It is not expected that this is an impermeable boundary, but



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 the size of a marketing area may be smaller or larger as nature of
2 competition among fluid milk processors dictates. Understandably,
3 marketing areas have become larger and larger over time. Consequently,
4 FMMO areas have evolved from city-sized areas to large areas spanning
5 several states. Fluid milk processors are automatically subject to the
6 requirements of a FMMO. Manufacturers of other dairy products are not
7 automatically regulated. Instead, manufacturers are required to
8 demonstrate that in some fashion they are part of a coordinate supply of
9 milk that benefits the fluid milk market, especially in times of year when the
10 supply of milk is short relative to the demand for Class I milk. The specific
11 performance or pool qualification requirements vary to some extent across
12 Orders, to meet conditions of each area, but the general concept is the same
13 everywhere. Once the set of plants that are subject to the regulation of an
14 Order is determined, the each regulated handler is obliged to pay a
15 minimum class price for milk based on how the handler uses the milk it
16 purchases. Although handlers tend to be specialized, the price(s) they owe
17 are based on how each pound they purchase is used. A plant may
18 predominantly process Class I milk or Class III milk, but a plant is not a
19 Class I plant *per se*, so much as it is a plant that uses milk in Class III
20 products.

21 The basic idea of Federal Orders is fairly simple, but the actual
22 implementation is quite complex. Anyone interested in more specific details
23 of their operation is referred to the resources available from the US
24 Department of Agriculture. Only two additional observations are highlighted
25 here.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 First, Federal Orders are allowed under the AMAA of 1937, they are not
2 mandated or required. Thus, the Act authorizes the Secretary to establish a
3 FMMO subject to a request from producers in a marketing area and a
4 subsequent formal hearing to determine the need for an Order and some
5 specific requirements or characteristics of the marketing area. Upon review
6 of the evidence presented in the formal hearing, and only that evidence, the
7 Secretary may recommend a specific set of regulations for the farmers and
8 buyers in that area. This set of regulations is called the Order. Farmers who
9 would be regulated under the Order, and only they, have the privilege of
10 voting for or against the Order proposed by the Secretary; however, the
11 must vote for the Order in its entirety. They are not allowed to only pick the
12 parts they like. The AMAA of 1937 requires the Secretary to craft Orders
13 that are "in the public interest". As such, the Secretary has to balance the
14 legitimate need and concerns of farmers, processors, and consumers. In so
15 doing, s/he may choose some provisions that are not particularly favored by
16 dairy farmers. Thus, the exclusive privilege farmers have to vote for a
17 Federal Order is balanced by the "all or nothing" condition of the vote. An
18 Order is approved if two-thirds of the dairy farmers who prices would be
19 subject to the Order vote in favor of it. If their milk marketing cooperative
20 allows it, a Cooperative may cast a "bloc vote" on behalf of all their farmers.
21 The conditions framing any limitations on a bloc vote are determined by
22 farmers as members of the cooperative.

23 Because Federal Orders are voluntary, it took quite some time to
24 develop the system of Federal and State Orders that envelop the US today.
25 Although first authorized in 1937, Federal Orders did not cover more than



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 half of the US milk supply until the mid-1960s. Today, marketing orders
2 cover about two-thirds of the US milk supply. California alone regulates
3 over 20% of the US milk supply. The majority of the remaining 10-15% is
4 regulated by other States (cf. above). The largest amount of milk not
5 regulated by the USDA or a State is in Idaho. This may amount to about 5%
6 of the US milk supply.

7 The second major highlight is that the process for changing a Federal
8 Order is as formal and complex as the process for promulgating or starting
9 one. Both processes are made by request or petition to USDA. A request to
10 amend an Order may be approved or denied. If approved, the apparatus of
11 formal rule-making applies. This requires that a formal announcement be
12 made, which defines the scope of the hearing. A formal hearing is held.
13 USDA make a recommendation based on the evidence of the hearing and
14 the strictures of the AMAA. A majority of farmers who would be regulated
15 under an amended order must approve the recommended order in its
16 entirety. Under new rules established under the FCEA, the process for
17 amending an order may be completed in as little as about 12 months;
18 however, it remains the case that all changes to a federal order must follow
19 the requirements of formal rulemaking and no matter how broad producer
20 support for a change might be, USDA must balance all interests, including
21 the public interest, when it makes a recommendation for a change.

22 While the Federal Orders have many functions in the dairy industry, the
23 underlying structure, as well as the rulemaking required, means that the
24 Federal Order system is not a viable vehicle for economic assistance for
25 dairy farmers.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Dairy Export Incentive Program

Summary of the Dairy Export Incentive Program (DEIP)

Objectives:

Increase sales of US dairy products in foreign market, particular to countervail export subsidies from other suppliers (e.g., the EU)
Encourage dairy product marketers to develop export sales

Methods:

Provide “bonuses” or cash subsidies to dairy product exporters by supplementing privately negotiated export prices. When DEIP authorizations are announced, USDA establishes a quantitative target for export sales and invites private sellers to negotiate an export sale at the best price they can obtain, then apply for a price subsidy.

Legal Authority:

Created under the Dairy Production Stabilization Act of 1983 and initiated in May 1985, Reauthorized under the Agriculture, Conservation, and Trade Act of 1990, the Uruguay Round Agreements Act of 1995, and the Federal Agriculture Improvement and Reform Act of 1996

Administering Agency:

U.S. Department of Agriculture - Foreign Agricultural Service

(<http://www.fas.usda.gov/exportprograms.asp>)

The Dairy Export Incentive Program (DEIP) helps exporters of U.S. dairy products make sales for foreign buyers when US prices exceed prevailing world prices for targeted dairy products and destinations. As part of its World Trade Organization commitments resulting from the Uruguay Round Agreement on Agriculture, annual export subsidy ceilings are set for each commodity. These define a maximum quantities and a maximum budgetary expenditures, which is charged against the US in the calculation of allowable but constrained subsidies under the WTO agreement. All sales under the DEIP are made by the private sector, not the U.S. government.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 An invitation for offers issued by USDA may be one of two types: those
2 inviting exporters to submit a competitive offer for a bonus, and those
3 inviting exporters to apply for an announced bonus. Once an invitation for
4 offers is issued, it is up to agricultural exporters to contact prospective
5 buyers in eligible countries and negotiate a sales contract covering price,
6 quantity, quality, delivery, and other terms. The sale may be contingent on
7 USDA's approval of a bonus. Each prospective exporter submits an offer to
8 USDA requesting a bonus that would allow the sale to take place at the
9 agreed price.

10 Under an invitation for competitive offers, USDA reviews all bids for the
11 competitiveness of the bonus value requested and compares the bids with
12 offers from other U.S. exporters and with sales of competitor countries.
13 Under an announced bonus, compliant offers meeting all program
14 requirements are accepted on a first-come, first-served basis. USDA has the
15 right to reject any or all bids.

16 Once USDA accepts a bid, the exporter and USDA's Commodity Credit
17 Corporation (CCC) enter into an agreement. The bonus is paid to the U.S.
18 exporter in cash. The CCC determines the bonus payment by multiplying the
19 bonus specified in the agreement by the net quantity of the commodity
20 exported. Once an exporter furnishes USDA with evidence that the specified
21 commodity has been exported to the target destination under the terms of
22 the agreement, the exporter can request payment of the bonus.

23 In implementing the program, USDA has taken the position that in order
24 for use of DEIP to be justified under the Uruguay Round agreement, US
25 prices should be above prices in international markets and the claim that we



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

are countervailing other countries' subsidies should be plausible. In recent years, US and "world" prices have been closely aligned for the basic dairy commodities, such as nonfat dry milk; hence, the economic and legal justification for an export subsidy has been weak. Moreover, the EU has seriously reduced its very high level of dairy export subsidies as part of its own agricultural policy reform in the last few years, thereby diminishing the countervailing argument. The EU did resume export subsidies following price supporting actions it took in response to 2009, but its longer term commitment to dismantling dairy industry support programs is genuine and continuing.

While DEIP is the program designed specifically to enable dairy product exports, FAS has a number of programs that are intended to enable or assist US agricultural and food exporters. These range from export promotion activities (such as trade shows and more personal tours and visits) to programs that facilitate commercial transactions. An export credit guarantee for commercial financing of U.S. agricultural exports is a valuable tool used by many agricultural industries. These Commodity Credit Corporation programs provide a credit guarantee to a foreign bank to whom the foreign buyer has applied for a letter of credit or similar instrument and for which the funds will be used to buy agricultural or food products subject to a privately negotiated contract that is otherwise completed.

Given the restrictions on DEIP authorization caused by the requirement for U.S. prices to be above world prices and/or the necessity to substantiate



1 other countries' subsidies, it is unlikely that DEIP could be used as
2 countercyclical assistance.

3 Risk Management Programs

4 Risk management programs are available to farmers through both the
5 private and public sectors. Hedging either milk or input prices (typically
6 feed) is something farmers can do at any time without any government
7 involvement. In addition, dairy cooperatives and other buyers can offer
8 farmers forward contracts involving some kind of milk price guarantee over a
9 period of time. Typically such contracts are backed up by future hedging
10 positions taken by the buyer. While hedging has been available for dairy
11 farmers to use for a number of years, the number of farmers or percentage
12 of the US milk supply that takes advantage of these tools appears to be
13 small.

14 There are some concerns that limit the use of risk management tools.
15 Futures contracts tend to be "lumpy" - they are offered in unit sizes that are
16 not easy for small producers to use. Hedging is an unfamiliar concept to
17 many dairy farmers, such that many find the concept and its implementation
18 to be confusing and thus risky. While markets are moving toward the
19 maturity of any contract month, buyers or sellers may find themselves
20 vulnerable to margin calls that require them to post earnest money to cover
21 their position when the market turns in the opposite direction. This can be
22 an expensive proposition for a dairy farmer.

23 USDA's Risk Management Agency (RMA) offers two risk management
24 tools that offer farmers price or margin protections that address either the
25 cost issue or the "lumpy" bundling issues that tend to limit the use of purely



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

private sector tools. One is designed specifically for dairy farmers and is called Livestock Gross Margin - Dairy, or LGM-Dairy. Another is a program available for any type of farm called Adjusted Gross Revenue Lite or AGR-Lite.

Livestock Gross Margin (LGM) Dairy

The original LGM products were created for cattle and swine growers. In 2007, this concept was adapted to milk producers and a similar product was gradually made available on a state-by-state basis.

LGM-Dairy is a bundled hedging tool that provides protection to dairy producers when feed costs rise or milk prices drop. Unlike dairy price or corn price risk management using regular hedging tools, LGM-Dairy establishes a floor on Gross Margins and pays an indemnity if the farmer's results are less than expected. The farmer chooses how much of the farm's milk to cover and the time period of the coverage (when and how long). Premiums are based on expected milk revenue and expected feed costs that are calculated using futures market prices on Class III milk, corn and soybean meal at the time the insurance is purchased. An indemnity benefit is paid to farmers at the time the futures markets settle for a given month. The settlement prices determine the "actual" margin, not the prices an individual farmer actually receives or pays. The idea is that any given farmer's milk revenue or feed costs will not equal the futures prices on the Chicago Mercantile Exchange, but they will sufficiently parallel the CME prices to make the difference on the futures market a relevant indicator of the difference a farmer actually experiences over time



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 There is no minimum amount of milk needed (unlike a futures
2 contract) but there is a maximum of 24 million pounds per ten-month
3 crop year. Producers may sign up for this program monthly and may
4 choose to cover up to ten months of production at a time.

5 Farmers pay a premium for this margin insurance. Premiums
6 are calculated using a complex system that attempts to measure the
7 likelihood of an indemnity payment at the time a farmer purchases the
8 insurance. Not unlike buying typical insurance against a peril like
9 flooding or fire, the original idea was that farmers would pay the
10 expected actual cost of the margin protection. Any money paid to
11 farmers would have to come from the premiums all farmers paid over
12 time.

13 Recently RMA announced several changes to how they would
14 administer LGM-Dairy. These changes were largely patterned after
15 proposals the National Milk Producers Federation have made for a new
16 insurance product called Dairy Producer Margin Protection Plan. The
17 new LGM-Dairy uses a different procedure for calculating milk returns
18 over feed costs and perhaps most significantly provides a subsidy to
19 lower the premium costs for farmers.

20 **Adjusted Gross Revenue Lite (AGR Lite)**

21 In 200x, RMA developed a new insurance product that it
22 intended for all farmers and that would be based on adjusted gross
23 income as reported on Schedule F of the farm business's taxes. The
24 concept was to combine protection both from production losses related



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 to natural causes and from output price declines or input price
2 increases related to market fluctuations. The product became quite
3 complex and was difficult to use. AGR-Lite was developed in 200x to
4 provide a simpler tool that would have the same goal.

5 Any farmer can use AGR-Lite and the revenue protection applies
6 to the whole farm not one product. Premiums are lower for farmers
7 who sell more products, just as their price risk is reduced by that
8 diversity.

9 Producers cannot participate if:

10 If more than 35% of the income is from animals and animal
11 products.

12 The maximum amount of milk you can market is 1.6 million pounds.

13 The program does not count feed that is grown only the feed that is
14 purchased.

15 Farm liability cannot exceed \$1 million

16 Gross income must be below \$2,051,282

17 Farmers select the percentage of their total adjusted gross
18 income they will cover and the percentage of the difference that they
19 can receive if their actual AGI is less than the income coverage that
20 was determined for them. The maximum income coverage is based on
21 each producer's average AGI over the previous five years.

22
23 Use and Participation in LGM-Dairy and AGR-Lite



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Although they are clearly similar, there are several differences between the LGM-Dairy and AGR-Lite approaches to income protection, apart from the fact that one is tailored to dairy and other is designed for whole farms. LGM-Dairy works on the basis of a price spread, the difference between the price of milk and the prices of feed expressed relative to an amount of milk produced. The resulting margin is expressed in \$/cwt. AGR-Lite is based on the concept of income less production expenses, where both vary with the amount of milk produced (and other agricultural sales) and the amount of feed (and other production inputs) purchased. Adjusted gross income is not affected only by the prices of outputs and inputs. Total sales can be positively or negatively affected by changes in marketings. Total expenses can likewise be positively or negatively affected by changes in the amounts of inputs purchased. These subtly different concepts can have real differences in the impact on or payments to farmers. As such, they provide lessons in thinking about alternative or modified policies for dairy farmers.

Under their current design, there has been very little participation on the dairy side throughout the United States in either of these programs. There are several reasons for this lack of participation:

1. Size limits
2. Market conditions
3. Who it is designed for
4. Lack of return on investment



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Members of Congress have requested that USDA join these two programs together and make them more producer friendly. Congress wants this program to be more for small beginning farmers rather than the average dairy producer in the United States.

CCC Charter Act, Section 5

The Commodity Credit Corporation (CCC) is a Government-owned and operated entity that was created in 1933 to handle commercial transactions that involve agricultural commodities. It is used in various programs that exist to stabilize, support, and protect farm income and prices. CCC also facilitates the movement of surplus or other agricultural commodities to various government and non-governmental outlets.

The CCC was formally (re)chartered in 1948 under the Commodity Credit Corporation Charter Act. This legislation establishes the general purpose of the CCC and its general operating rules and authorities. Section 5 of the Act is excerpted below. In this section, various authorities are granted that relate to the acquisition and disbursement of agricultural commodities.

SEC. 5. [15 U.S.C. 714]

SPECIFIC POWERS.—In the fulfillment of its purposes and in carrying out its annual budget programs submitted to and approved by the Congress pursuant to Chapter 91 of Title 31, the Corporation is authorized to use its general powers only to —

Support the prices of agricultural commodities (other than tobacco) through loans, purchases, payments, and other operations.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 ***(b) Make available materials and facilities required in connection with***
2 ***the production and marketing of agricultural commodities (other than***
3 ***tobacco).***

4 ***(c) Procure agricultural commodities (other than tobacco) for sale to***
5 ***other Government agencies, foreign governments, and domestic,***
6 ***foreign, or international relief or rehabilitation agencies, and to meet***
7 ***domestic requirements.***

8 ***(d) Remove and dispose of or aid in the removal or disposition of***
9 ***surplus agricultural commodities (other than tobacco).***

10 ***(e) Increase the domestic consumption of agricultural commodities***
11 ***(other than tobacco) by expanding or aiding in the expansion of***
12 ***domestic markets or by developing or aiding in the development of***
13 ***new and additional markets, marketing facilities, and uses for such***
14 ***commodities.***

15 ***(f) Export or cause to be exported, or aid in the development of***
16 ***foreign markets for, agricultural commodities (other than tobacco)***
17 ***(including fish and fish products, without regard to whether such fish***
18 ***are harvested in aquacultural operations).***

19 ***(g) Carry out conservation or environmental programs authorized by***
20 ***law.***

21 ***Carry out such other operations as the Congress may specifically***
22 ***authorize or provide for.***

23 ***In the Corporation's purchasing and selling operations with respect to***
24 ***agricultural commodities (other than tobacco) (except sales to other***
25 ***Government agencies), and in the warehousing, transporting,***
26 ***processing, or handling of agricultural commodities (other than***



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 *tobacco), the Corporation shall, to the maximum extent practicable*
2 *consistent with the fulfillment of the Corporations purposes and the*
3 *effective and efficient conduct of its business, utilize the usual and*
4 *customary channels, facilities, and arrangements of trade and*
5 *commerce (including, at the option of the Corporation, the use of*
6 *private sector entities).*

7 This Section of the legislation defines a number of things that the CCC
8 may do; however, this is a good deal different from actually being able to
9 do, or being required to do, something. It is under these general authorities
10 that the Secretary is able to implement the procurement and sale of dairy
11 products under the DPPSP and various other programs related to domestic
12 and international food assistance. It is in the legal and financial
13 authorizations of these other programs that CCC is specifically enabled to,
14 say, buy a load of 600 pound barrel cheese, have it converted to 5 pound
15 loaves of processed cheese, and then distribute the processed cheese to
16 schools, prisons, or a food provider in a less developed country.

17 If there is no specific program that requires the Secretary to procure
18 and/or distribute dairy or other commodities, he could use the provisions of
19 this Charter to do so under his discretion if and only if there is a source of
20 funds to do so. Permission to spend money in this fashion must be given by
21 the President's Office of Management and Budget (OMB), which is described
22 and discussed in a later section.

23 This program does offer the Secretary some flexibility in application and
24 is addressed further as a recommendation.



Domestic Food Assistance Programs

The single largest share, indeed the majority, of the budget of the US Department of Agriculture, about two-thirds, is devoted to food and nutrition programs. These programs are generally administered through the Food and Nutrition Service and include the following:

1. Supplemental Nutrition Assistance Program (SNAP, formerly Food Stamps)
2. Women, Infants, and Children (WIC)
3. School Meals
 - a. National School Lunch
 - b. Fresh Fruit and Vegetable Program
 - c. School Breakfast Program
 - d. Special Milk Program
 - e. Team Nutrition
4. Summer Food Service Program
5. Child and Adult Care Food Program
6. Food Assistance for Disaster Relief
7. Food Distribution
 - a. Schools/Child Nutrition Commodity Programs (CNP)
 - b. Food Distribution Program on Indian Reservations
 - c. Nutrition Services Incentive Programs (CNP)
 - d. The Commodity Supplemental Food Program (CSFP)
 - e. The Emergency Food Assistance Program (TEFAP)

Each of these programs is described at the FNS website, among other sources (<http://www.fns.usda.gov/fns/>). Obviously, all of these programs but one are not exclusive to milk and dairy products, but many of these programs have played a very important role in increasing the availability and use of dairy products among children and needy people.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 The Special Milk Program provides cash subsidies to schools for milk
2 they serve to children not covered under the School Lunch and similar
3 programs.

4 USDA provides grants to States, which in turn have primary
5 responsibility for delivering WIC program benefits to pregnant women,
6 women with young children and those infants and young children.
7 Historically, WIC has had a strong emphasis on providing milk and other
8 nutritious dairy products to this very important target group.

9 TEFAP was originally started during the early 1980s when surpluses
10 under the DPSP became enormous. Many elderly and other needy US
11 citizens benefitted from donations of surplus cheese and butter. The success
12 of the Temporary Emergency Food Assistance Program led to the creation of
13 The Emergency Food Assistance Program. Today, TEFAP is the primary
14 vehicle for distributing commodity foods to States, that in turn distribute
15 food to Food Banks and similar local food distribution agencies.

16 Each of these programs can be a vehicle for the use and distribution of
17 dairy foods. Virtually all have done so in the past, some to a very significant
18 degree. However, two key factors limit their effectiveness as a short term
19 response to a dairy surplus.

20 First, these programs are budgeted. They have a certain amount of
21 funding that is controlled by Congressional appropriations and/or more
22 discretionary decisions of OMB. USDA may be able to shift some funding
23 around but it can't make the pie bigger. Even shifting money is difficult if



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

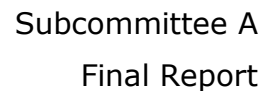
1 not practically impossible as there are always numerous legitimate claims on
2 available funds.

3 Second, these programs involve and require considerable time for
4 planning, implementation, and execution. Programs that coordinate with
5 State run activities, dovetail into State planning and timing and ultimately
6 the distribution and use of food or food subsidies is subject to some
7 discretion by the receiving State. Programs in which USDA works directly
8 with an agency typically involve a spending and utilization plan of that
9 agency. Schools, in particular, plan their budgets early in the calendar for
10 implementation in the coming school year that starts in August or
11 September. Once in place, it is difficult to impossible to change these plans.

12 Congress can certainly create funding and programs to respond to
13 something like the dairy crisis of 2009, but once funding for food and
14 nutrition programs are established it is next to impossible for the Secretary
15 to alter the plan or find additional funding to support one agricultural or food
16 sector.

17 Section 32, Public Law 74-320

18 In 1935, as part of its response to the hardship for agriculture during
19 the Great Depression, Congress created a permanent authority to give USDA
20 money from U.S. customs receipts (tariffs) to support farmers whose
21 products were not otherwise covered or protected by more specific
22 commodity policy. The so-called Section 32 funds considerable and the
23 Secretary has a lot of discretion in how they are used. The following is from
24 a Congressional Research Service report written in 2006.



.....Today [viz. 2006], most of this appropriation (now approximately \$6.5 billion yearly) is transferred to the U.S. Department of Agriculture (USDA) account that funds child nutrition programs. Other Section 32 funds are used by USDA to purchase meats, poultry, fruits, vegetables, and fish, which are diverted mainly to school lunch and other domestic food programs. Several times in recent years, the Secretary of Agriculture also has drawn substantial amounts from Section 32 to pay for special farm disaster relief. This has added to the debate over how much flexibility the Secretary should have over use of the reserve, and whether the disaster aid has or could come at the expense of the other Section 32 activities.

by Geoffrey S. Becker, Specialist in Agricultural Policy



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Resources, Science, and Industry Division

Congressional Resource Service

RS20235

28 November 2006

Inasmuch as there is a Dairy Price Support Program and a Milk Income Loss Contract that are obviously specifically for the dairy sector, in the past it has been determined that Section 32 funds could not be used to purchase or distribute dairy products because milk is an otherwise supported commodity. With the DPSP having been modified as the DPPSP in 2008, there is an argument that government support has been legally restricted to commodity packaged butter, nonfat dry milk, and cheddar cheese. Under this narrow interpretation, there may be a legal possibility of using Section 32 funds for other dairy products, such as mozzarella cheese, fluid milk, or whey protein concentrate.

Section 32 does not create a program, it creates a fund of money. Thus, this money can be used in conjunction with existing programs that are designed for domestic food assistance or international exports or food aid. The legislative language "reestablishing farmer's purchasing power" suggest an even broader authority to, for example, supplement a countercyclical payment to dairy farmers.

The flexibility of Section 32 and the amount of funding available are alluring. What remains unclear is whether legally or, perhaps more importantly, politically, it is possible to use Section 32 funds to benefit the



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

dairy sector, simply because there are other programs specifically designed for dairy.

Given sufficient funding, food assistance programs do provide the Secretary some latitude in execution that could improve dairy farm revenue because of increased dairy product demand caused by these programs. This category of assistance is addressed in the recommendations outlined later in this document.

International Food Assistance Programs

There are a number of programs that have been designed to provide food to needy people in low income countries on an ongoing or emergency basis or to provide emergency assistance in a time of natural or other specific disaster. These include:

- A. Food for Peace
- B. McGovern-Dole
- C. Food for Progress
- D. Section 416(b)

The granddaddy of all international food assistance programs is Food for Peace. This program was first authorized under the Agricultural Trade Development and Assistance Act of 1954, at a time of agricultural surpluses. At first considered a temporary response to deal with agricultural surpluses, this program has evolved to become an icon of US food assistance, considered a core program by advocates for low income countries. Using the section of the law in which this Act was codified, the program was routinely referred to as Public Law 480 or P.L. 480. Today it is called by the



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 legislation which defines its current parameters - The Food for Peace Act.
2 The FPA has three titles, and each title has a specific objective and provides
3 assistance to countries at a particular level of economic development. Title I
4 is administered by USDA. Titles II and III are administered by USAID - the
5 U.S. Agency for International Development. USAID is an independent
6 federal agency that operates under the supervision of the Secretary of State.

7 <http://www.fas.usda.gov/excredits/FoodAid/pl480/pl480.asp>

8 FPA, Title I–Trade and Development Assistance, provides for
9 government-to-government sales of U.S. agricultural commodities to
10 developing countries on credit or grant terms. Agreements under the Title I
11 credit program may provide for repayment terms of up to 30 years with a
12 grace period of up to 5 years. The authority also allows for grant programs,
13 which have outnumbered loans in recent years. Depending on the
14 agreement, commodities provided under the program may be sold in the
15 recipient country and the proceeds used to support agricultural, economic,
16 or infrastructure development projects.

17 Since fiscal year 2006, new funding has not been requested because
18 demand for food assistance using credit financing has fallen or grant
19 programs have been a more appropriate tool.

20 FPA, Title II–Emergency and Private Assistance, provides for the
21 donation of U.S. agricultural commodities to meet emergency and non-
22 emergency food needs in other countries, including support for food security
23 goals.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 FPA, Title III–Food for Development, provides for government-to-
2 government grants to support long-term growth in the least developed
3 countries. Donated commodities are sold in the recipient country, and the
4 revenue generated is used to support economic development programs. In
5 recent years, this title has been inactive.

6 Although the Secretary of Agriculture is responsible for Title I uses of
7 agricultural commodities, he can't do much of the program is not funded. In
8 recent years, advocates for international food assistance have strongly urged
9 that Congress convert any support for using US grown and exported food in
10 needy countries to direct cash subsidies that would allow foreign
11 governments or approved agencies in foreign countries to buy food wherever
12 they can find it most cheaply. It is argued that this approach would provide
13 the most food assistance bang for the buck, but of course this would not
14 provide much support for US agriculture.

15 The McGovern-Dole International Food for Education and Child Nutrition
16 Program helps promote education, child development, and food security for
17 some of the world's poorest children. It provides for donations of U.S.
18 agricultural products, as well as financial and technical assistance, for school
19 feeding and maternal and child nutrition projects in low-income countries.
20 The program was authorized by the Farm Security and Rural Investment Act
21 of 2002 and is administered by the Foreign Agricultural Service.

22 The commodities are made available for donation through agreements
23 with private voluntary organizations (aka, PVO or NGO, for non-
24 governmental organizations), cooperatives, intergovernmental organizations,



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 and foreign governments. Commodities may be donated for direct feeding
2 or, in limited situations, for local sale to generate proceeds to support school
3 feeding and nutrition projects.

4 Under the Food for Progress Act of 1985, agricultural commodities are
5 provided to developing countries and emerging democracies committed to
6 introducing and expanding free enterprise in the agricultural sector.
7 Commodities are currently provided on a donation basis to foreign
8 governments, private voluntary organizations, nonprofit organizations,
9 cooperatives, or intergovernmental organizations.

10 The implementing organizations request commodities and USDA buys
11 those commodities from the U.S. market. USDA donates the commodities to
12 the implementing organizations and pays for the freight to move the
13 commodity to the recipient country.

14 The Section 416(b) program is authorized by the Agricultural Act of
15 1949, as amended. This program provides for overseas donations of surplus
16 commodities acquired by the Commodity Credit Corporation (CCC).
17 Donations may not reduce the amounts of commodities that are traditionally
18 donated to U.S. domestic feeding programs or agencies, and may not
19 disrupt normal commercial sales.

20 Availability of commodities under Section 416(b) depends on CCC
21 inventories and acquisitions, and programming varies from year to year. The
22 commodities are made available for donation through agreements with
23 foreign governments, PVOs, cooperatives, and intergovernmental
24 organizations. Depending on the agreement, the commodities donated under



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Section 416(b) may be sold in the recipient country and the proceeds used to support agricultural, economic, or infrastructure development programs.

The Section 416(b) program is currently not active, as there are no CCC-owned commodities available at this time.

Farm Loan Programs

FSA makes direct and guaranteed farm ownership (FO) and operating loans (OL) to family-size farmers and ranchers who cannot obtain commercial credit from a bank, Farm Credit System institution, or other lender. FSA loans can be used to purchase land, livestock, equipment, feed, seed, and supplies. Loans can also be used to construct buildings or make farm improvements. FSA employs farm loan officers who originate and service Direct Farm Ownership and Operating Loans. FSA works with banks and Farm Credit System institutions, providing guarantees on loans originated and serviced by those commercial lenders. FSA operates by the authority of the Consolidated Farm and Rural Development Act (7 U.S.C. 1936) and is administered by USDA's Farm Service Agency.

The USDA-FSA Farm Loan Program (FLP) is an important source of credit to dairy producers. FLP provides direct loans, guarantees on loans originated through commercial banks or Farm Credit System associations, and interest assistance on operating lines of credit, as well as emergency loans in situations where farmers have been adversely impacted by severe weather conditions. FLP targets a significant portion of its funds to beginning farmers: 50% of Direct Operating, 40% of Guaranteed Operating, 75% of Direct Farm Ownership, and 40% of Guaranteed Farm Ownership. In



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 addition to targeting funds towards beginning farmers, each state FSA FLP
2 targets a percentage of their loan funds to Socially Disadvantaged Farmers
3 based on state demographics.

4 In federal fiscal year 2010, \$6.115 billion was appropriated for FLP. As of
5 September 3, 2010 the FLP had in its national portfolio 33,541 loans for a
6 total of \$4.913 billion. The maximum principal amount per borrower under
7 the direct loan programs is \$300,000. The maximum total principal amount
8 for direct loans plus loan guarantees is \$1,119,000 (This amount is adjusted
9 annually based on inflation.)

10 Approximately 52% of the loans in the FLP portfolio were Direct Operating
11 Loans typically used for purchase of cattle, machinery, building construction,
12 or other farm improvements. An additional 20% were Guaranteed Operating
13 Loans originated and serviced by commercial lenders. Direct Farm
14 Ownership Loans and Guaranteed Farm Ownership Loans used for purchase
15 of farm real estate each accounted for 12% of the loans in the portfolio.

16 The top five states in FFY 2009-10 in terms of number of new loan
17 applications (new direct and guarantee loan volumes for the first eleven
18 months of the fiscal year are in parenthesis):

- 19 1. Wisconsin (\$419 million)
- 20 2. Minnesota (\$309 million)
- 21 3. Iowa (\$286 million)
- 22 4. Texas (\$220 million)
- 23 5. Nebraska (\$235 million)



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Wisconsin FSA FLP Example

2 As Wisconsin is the largest customer of the Farm Loan Program, with by far
3 the majority of its loans procured by dairy producers, we provide here a
4 closer look at Wisconsin's successful use of the program.

5 The Wisconsin FSA FLP portfolio crossed the \$1 billion threshold in early
6 2010. As of August 31, 2010 it held 4,956 loans for a total of \$1.24 billion.
7 Of these, 62% were direct loans and 38% were loan guarantees.

8 Approximately 90% of FLP borrowers in Wisconsin are dairy producers.

9 The FSA FLP has, for many years, been an important source of credit for
10 Wisconsin dairy producers. Wisconsin FSA FLP has historically been one of
11 the top three among all states in both the number and the dollar volume of
12 loans. FSA FLP has loan program managers assigned to cover every county
13 in the state. They do an excellent job of outreach to farmers. They partner
14 with many other entities that can help them more effectively serve farmers
15 including the Wisconsin Department of Agriculture, Trade and Consumer
16 Protection, Wisconsin Technical College System, University of Wisconsin
17 School for Beginning Dairy and Livestock Farmers, and others. FSA has
18 developed strong working relationships with commercial agricultural lenders
19 to broaden the scope of its loan guarantee and interest assistance programs.
20 In short, there are few ag borrowers or lenders in Wisconsin that are not
21 aware of the FSA FLP.

22 As commercial agricultural credit became more difficult to obtain in 2009,
23 the importance of the Wisconsin FSA FLP became even more pronounced.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Lenders pointed many borrowers towards the FLP, and FLP loan volume in
2 the state soared.

3 There are some key reasons that the FSA FLP works so well in Wisconsin.

4 Wisconsin FLP has a high participation in the Preferred Lender
5 Program (PLP) which allows experienced agricultural lenders to quickly
6 obtain USDA Loan Guarantees with a minimal amount of paperwork.
7 Subsequent review by state FSA FLP staff allows the private lender to
8 conduct their business with minimal disruption of their normal
9 operating procedures. FSA FLP monitors the aggregate performance
10 of each lender rather than each individual loan application. Lenders
11 with strong records of success maintain PLP status; those with higher
12 losses are more closely scrutinized. (Many states have struggled to
13 implement these loan guarantee processes.)

14 Wisconsin FSA FLP views itself as a partner with private
15 agricultural lenders, and the lenders look at FSA FLP in that way as
16 well. In many cases, the private lender has part of the financing
17 package and FSA has part of the financing package. It is not an
18 "either or" situation.

19 Wisconsin FSA FLP contracts out to the private sector for many
20 services such as real estate and chattel appraisals that assist their loan
21 officers, which allows them to focus on the duties that only they can
22 do. In the past, FSA FLP loan officers would have done these tasks.
23 By contracting out for these services, FSA FLP has freed up its loan
24 officers to serve new loan applicants and service their existing loan



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 portfolios. This has allowed Wisconsin FSA FLP to be a national leader
2 in loan-making, while keeping delinquencies and losses among the
3 lowest in the nation. Wisconsin FSA FLP has centralized its loan
4 liquidation process in the state office, which also frees up field loan
5 staff to make and service more loans.

6 Despite maintaining a large loan portfolio with borrowers who were unable to
7 obtain commercial credit, Wisconsin FSA FLP has experienced relatively low
8 delinquency rates. In the 2009-2010 FFY, approximately 1.93% of the
9 direct loan portfolio and 0.88% of the guaranteed loan portfolio was
10 delinquent. By commercial lending standards, these delinquency rates are
11 relatively low, particularly considering the poor economic conditions in the
12 dairy industry during the period.

13 On a national level, Secretary Vilsack issued a letter at the height of the
14 2009 dairy crisis to all of FSA's dairy producer-borrowers informing them of
15 the loan servicing options available to alleviate financial stress. These
16 options included lifting milk check assignments to allow money to flow
17 through for family living and operating expenses, deferral of principal and
18 interest payments, lowering payments through rescheduling or re-amortizing
19 of debt, and other options. Many FLP borrowers contacted their loan
20 managers to take advantage of the relief that was available.

21 It is apparent that certain geographies have leveraged the Farm Loan
22 Programs more effectively than others. We recommend that FSA examine
23 why these disparities exist and develop strategies to share best practices
24 across regions.



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

Market News, Research, and Promotion Programs

Numerous programs exist to support dairy market development, day-to-day dairy business decisions, and the ability of dairy businesses to plan. They do so by providing information on milk and dairy product prices, market conditions, and the market outlook. Such programs include the AMS Dairy Market News, various data serials published by NASS, ERS, and FAS, special analytical reports by ERS and WASDE. USDA also has certain programs for market and business development and AMS participates in the oversight of the National Dairy Promotion and Research Board.

These programs typically provide valuable information for buyers and sellers in dairy markets. While useful in the long term, they are not programs that can be easily utilized for short term effects or benefits.

The Office of Management and Budget

The Secretary of Agriculture can only initiate and operate programs 1) which he is authorized to administer and 2) which have a well-defined mandatory or discretionary source of funding. If the program is mandatory, Congress provides authority to spend whatever money is required to achieve the purposes of the Act. If the program is discretionary, Congress may or may not provide funding to support the program. When funding is limited, which of course is the general rule, the Office of Management and Budget plays a crucial role in determining what can and what may be done.

The following is excerpted from the website of the President's Office of Management and Budget. It describes the structure and role of the OMB.



The Mission and Structure of the Office of Management and Budget

The core mission of OMB is to serve the President of the United States in implementing his vision across the Executive Branch. OMB is the largest component of the Executive Office of the President. It reports directly to the President and helps a wide range of executive departments and agencies across the Federal Government to implement the commitments and priorities of the President.

As the implementation and enforcement arm of Presidential policy government-wide, OMB carries out its mission through five critical processes that are essential to the President's ability to plan and implement his priorities across the Executive Branch:

Budget development and execution, a significant government-wide process managed from the Executive Office of the President and a mechanism by which a President implements decisions, policies, priorities, and actions in all areas (from economic recovery to health care to energy policy to national security);

Management — oversight of agency performance, Federal procurement, financial management, and information/IT (including paperwork reduction, privacy, and security);

Coordination and review of all significant Federal regulations by executive agencies, to reflect Presidential priorities and to ensure that economic and other impacts are assessed as part of regulatory decision-making, along with review and assessment of information collection requests;



**US Department of Agriculture
Dairy Industry Advisory Committee**

Subcommittee A
Final Report

1 *Legislative clearance and coordination (review and clearance of all*
2 *agency communications with Congress, including testimony and draft*
3 *bills) to ensure consistency of agency legislative views and proposals*
4 *with Presidential policy; and*

5 *Executive Orders and Presidential Memoranda to agency heads and*
6 *officials, the mechanisms by which the President directs specific*
7 *government-wide actions by Executive Branch officials.*

8 *http://www.whitehouse.gov/omb/organization_mission/*

9 OMB has significant influence on the spending ability of any federal
10 agency, including USDA and the Secretary of Agriculture. When Congress
11 has provided a clear mandate and sufficient funding to conduct a program,
12 OMB's only concern is the efficient execution of the required program.
13 However, when an authorized program is unfunded or underfunded the
14 Secretary must work with OMB to determine where funding might be
15 available or even whether any such funding can be found. Inasmuch as
16 OMB reports to the President, its priorities, both programmatically and from
17 the standpoint of financial stewardship, are driven by the President's
18 overarching priorities. In periods when budgets are tight, OMB tows a hard
19 line on discretionary spending. Even when budgets have some slack, OMB
20 will and must evaluate tradeoffs when an Executive agency, like USDA,
21 makes a request. Needless to say, when there is some slack in the budget,
22 this is well known. Demand always exceeds supply in the world of the US
23 budget.

24 **In Conclusion**
25



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 The essence of this review and report is that there are numerous
2 programs which could or have been used to benefit dairy farmers and the
3 dairy sector in times of stress. This include programs to directly support
4 prices or farm incomes and programs that more indirectly affect the demand
5 for dairy products and thereby strengthen markets and prices. At present,
6 there are no programs to reduce supply and achieve price benefits from that
7 perspective.

8 In theory, all of these programs could be extremely helpful in times of
9 economic stress, but in practice, these programs are not well suited to
10 unanticipated stress and quick responses to emergency conditions. In many
11 cases, the Secretary of Agriculture has no authority to change a program or
12 operate it outside of a very narrow range of legislatively defined parameters.
13 In some cases, the law grants the Secretary some discretion in defining a
14 program's parameters, but when the Secretary's decisions have an impact
15 on government expenditures, even a Secretary must get approval from the
16 President's Office of Management and Budget. Since its creation in 1922,
17 this office has played the role of budget watchdog. While the specific
18 economic policies and priorities of Presidents certainly change over time,
19 OMB's job is to carefully and cautiously steward the resources Congress
20 provides to the Executive Branch. There are many competing demands for
21 many worthy needs. Obtaining permission to use discretionary authority for
22 agricultural programs in general and dairy in particular can prove difficult.

23 **Recommendations for the Use of Existing Programs**



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 Barring legislative changes, the only two programs that permit the
2 Secretary some flexibility in their application are the Dairy Product Price
3 Support Program and one or more food assistance programs. If the
4 Secretary can identify sources of money, it would be possible for him to
5 stimulate demand and thereby lift prices via either of these approaches.

6 When dairy farm margins decrease to a level that cause concern over
7 the production sector's sustainability, we suggest that the Secretary guide
8 food assistance purchases toward dairy product procurement. If dairy farm
9 margin levels decrease to extreme distress levels as seen in 2009, the
10 Secretary can increase the levels of DPPSP to prices which provide more
11 revenue support for dairy farmers.

12 In the case of TEFAP, School Lunch and the like, additional funding
13 could be used to simply do more of what each program is designed to do.
14 USDA would be creating a kind of new demand for dairy products which
15 would have a competitive effect on market prices when the market is soft.
16 The Secretary should ensure that government purchased dairy foods
17 donations do not simply displace commercial sales. Dairy foods should be
18 provided to people who would not otherwise purchase them. The
19 distinguishing characteristic of food assistance is that USDA is enabling the
20 competitive purchase of dairy foods that users in these food assistance
21 programs want and the pricing is competitive around a product specification
22 that is consistent with users' needs.

23 In the case of the DPPSP, the extra "demand" comes in the form of
24 government purchases that aim to move cheese, butter, and/or nonfat dry
25 milk off of the commercial market. Typically, any such product so acquired



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 will either be sold back into commercial markets at the sellback price or will
2 be made available for use in a food assistance program (possibly under Sec.
3 416(b) or one of the domestic programs, such as TEFAP or School Lunch).
4 Under the DPPSP, USDA buys a limited type of bulk dairy commodity at a
5 fixed price and then tries to find a good or least-loss use for it.

6 As a general rule, the DPPSP approach is likely to be able to buy more
7 milk equivalent amounts but using the products to a good purpose is more
8 difficult. The supplemental funding for a food assistance purpose has the flip
9 side effect. It would likely result in less milk equivalent sales for a given
10 amount, but the product would more likely be put to good use for groups
11 that had been previously identified as needy and deserving of assistance.
12 Because of the negative implications of movements of the DPPSP prices on
13 commodity financial markets and the financial positions of farmers and
14 others who have chosen to mitigate risk through those markets, we suggest
15 prioritizing food assistance programs over increase DPPSP levels.

16 The Secretary should use extreme care by applying both of these
17 approaches judiciously and rarely. If these approaches are used too
18 frequently, they lose their ability to be a countercyclical offset. The
19 application of these programs can be either discretionary or triggered by
20 quantitative measurements. The advantage of being totally discretionary is
21 that the Secretary and his advisers can take into account a full range of
22 market issues and policy objectives. The advantage of a trigger is that the
23 industry has more certainty about when or under what conditions something
24 will happen. The trigger approach has the benefit of reducing market risk.



1 We suggest that USDA implement the trigger approach. We recommend
2 using the methodology of Milk Income over Feed Cost measure
3 (methodology defined here) as a trigger for a countercyclical intervention.
4 Within this framework, the first trigger (specify level) will indicate a demand
5 program be used. At the second trigger (specify level), the DPPSP should be
6 raised by xx.

7 In no way do we intend to indicate that the Committee supports
8 continuation of the DPPSP. We merely intend to provide a framework around
9 which the existing authority should be applied.

10 **Comments on Possible Unintended Consequences**

11 One of the inherent challenges in any public policy is that there are few
12 choices that make everyone better off. The political and policy worlds
13 necessarily involve tradeoffs, which exist in the dairy sector among
14 producers and among dairy processors, retailers, consumers, taxpayers, and
15 alternative agricultural or food sectors. This committee has been charged
16 with addressing dairy farm profitability and milk price volatility. This puts
17 the focus on the farm sector, but downstream effects constrain any dairy
18 policy debate. Even those policies which are good for some dairy farmers are
19 not good for all dairy farmers.

20 The specific topics of dairy farm profitability and milk price volatility
21 continue to be studied by the DIAC. The recommendations presented here
22 are framed from the perspective of the DIAC charge. We recognize that the
23 Secretary has a responsibility to balance and represent a public interest in
24 the administration of USDA programs and acknowledge that achieving that



balance is a difficult task. Programs aimed at assisting farmers by improving their price can be viewed as constraining sales, being contrary to the interests of consumers and, in fact, even contrary to the interest of some dairy farmers. The purpose of the policies discussed here is counter excessive market conditions, but not to eliminate fundamental market functions.

A Caveat About Future Conditions and the "Black Swan"

The purpose of the report is to reflect on the usefulness of existing programs in dealing with recent and current challenges in dairy markets related to dairy farm profitability and milk price volatility. It is reasonable, indeed advisable, to ask whether this is just a lesson in history or whether we expect that there will be a next time when current programs could be deployed more effectively.

In 2007, Dr. Nassim Taleb, who holds a PhD in management science from the University of Paris, published his book The Black Swan. The book and the ideas it expresses have been much discussed of late and seems to have particular relevance to the economic conditions of 2009. Dr. Taleb's central tenet and contribution is that rare events (like seeing a black swan) have a disproportionate large impact, potentially either positive or negative, on human decisions and outcomes. In a sense, we overreact to extreme events. A lesser discussed element of Dr. Taleb's essay is his contention that in the face of unexpected and extreme events, which by definition challenge our ability to comprehend and explain them, we have a tendency



US Department of Agriculture
Dairy Industry Advisory Committee

Subcommittee A
Final Report

1 to concoct new explanations that are hard to rigorously test. This often
2 leads to a situation where we risk fitting the facts to the story.

3 It is well to consider how likely the conditions of 2009 are to be
4 repeated. Are these the equivalent of the 20-year flood event, 50-year,
5 100-year, 500-year? It is hard, if not impossible, to answer that question.
6 In the end, we may have to risk Dr. Taleb's prediction and just take our best
7 guess, but it is wise to pause and consider whether we run the risk of
8 creating costly solutions to problems that are unlikely to be repeated soon
9 enough to justify the cost. At some point, engineers and policy-makers have
10 to ask the question, when is the dike big enough and when do we say if the
11 water goes over this dike, we'll just have to make sure our warning system
12 is good enough to get people out and our response system good enough to
13 help them rebuild.

14 In evaluating current or alternative dairy policies, or any economic
15 policy, we face a similar challenge.